

## EXHIBIT A

Paper #18 HT



**TYPE :** Estane® 5702 is an aromatic polyester-based polyurethane polymer.

**MELT TEMPERATURE (DSC) :** 79°C

MECHANICAL PROPERTIES	TEST SPECIMEN	TEST METHOD	UNIT	VALUE
Hardness Density	A A	DIN 53505 DIN 53479	shore A g/cm³	65 1.18
Tensile strength Elongation	B	DIN 53504	MPa %	37 590
Tensile Stress at 50 % Elongation			MPa	2
100 % Elongation			MPa	2.4
300 % Elongation			MPa	4.6
Tear Resistance	B	DIN 53515	kN/m	47

(A) moulded plaques; 15 x 10 x 0.2 cm

(B) solution cast films; thickness 30-40 µm

Solubility		
Methylethylketone	(MEK)	Soluble
Dimethylformamide	(DMF)	Soluble
Tetrahydrofuran	(THF)	Soluble
Ethylacetate		Swelling
Cyclohexanone		Soluble

#### SUPPLY FORM AND STANDARD PACKAGING

Estane® 5702 is supplied in granule form and is packaged in polyethylene bags.  
Net weight 25 kg.

Solution viscosity specification values**15 % total solids in methyl ethyl ketone (MEK)**

## - Brookfield RVTD viscometer

- spindle n° 2
- 20 rpm
- 23°C ± 1°C

5702 F2

460 - 680 mPa.s

5702 F3

180 - 460 mPa.s

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